

# XP30R — MANUAL



 LEDLENSER

Thank you

We are delighted that you have chosen one of our products.

You will find safety and operating instructions in this instruction manual to make you familiar with your new product.

**It must be read carefully before using the product. Please keep the User Manual in a safe place and always hand it over if the product is given to a third party.**

The User Manual also helps you get the maximum use out of the product, provides answers to your questions and helps to avoid incorrect operation. Therefore, please particularly follow the warnings and safety instructions and dispose of the lamps, batteries as well as packaging material properly.



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## FCC Statements

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## 1. General information

### Product information

The Ledlenser XP30R is a searchlight and may be used only for the purposes of illumination. The lamp is also equipped with a light source that cannot be replaced by the user.

Please register your lamp using the enclosed registration card to get an extended guarantee, to check the authenticity of the lamp, and to be able to get innovations for product improvements.

Charger and battery are excluded from the guarantees beyond the statutory warranty.



### Information about this manual

Carefully read the manual before using the lamp and follow all the safety instructions and warnings.

The manual includes the following signs and signal words:

- General list
- ▶ Instructions for safety instructions and warnings

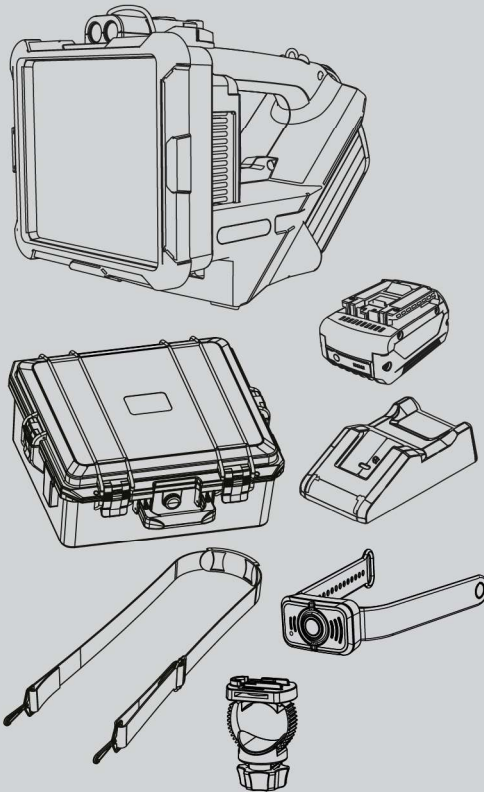
1. Action / Step  
→ Result of an action

**⚠ WARNING** indicates a potentially hazardous situation, which can lead to death or a severe injury if not avoided.

**⚠ CAUTION** indicates a potentially hazardous situation, which can lead to moderate or minor injury if not avoided.

**ATTENTION** indicates a situation, which can lead to material damage if not avoided.

## ② Delivery scope



## 2. The delivery scope of this product includes:

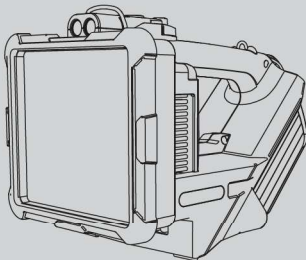
- XP30R Searchlight
- Hard shell case
- Li-ion battery
- Charging station
- Carry strap
- Remote
- Universal mount

- 
- Manual
  - Registration card

The lamp may be used only with the following rechargeable batteries (battery pack).

- Compatible rechargeable batteries supplied by or officially acquired from Ledlenser

## ③ General safety instructions



## 3. Carefully read the following safety instructions before using the product.

### ⚠ WARNING – Risk of injury



Keep the lamp out of the hands of children or persons affected by medication, drugs, physical/mental disabilities or illnesses because there is a risk of an injury to the eyes as well as an accident.

- ▶ Do not let children play with the lamp.
- ▶ Persons with disabilities should use the lamp only under the supervision or instructions of a responsible persons.

### ⚠ CAUTION – Risk of injury



Do not use the lamp if it is damaged, do not repair, open, or modify it since it can damage the lamp or endanger persons.

- ▶ Take damaged lamps out of operation or have them repaired professionally.

## **CAUTION – Risk of blinding by glare**



The starting blinding effect of the lamp can temporarily restrict the vision and cause afterimages, which can lead to irritations, disabilities or accidents.

- ▶ Do not look directly into the light beam or shine the beam in the eyes of others.
- ▶ Do not direct the light beam on people/animals
- ▶ Do not use the lamp under the influence of drugs, medication, or alcohol since the reactivity of the eyes and the capacity to act is reduced.
- ▶ If a light beam hits the eyes, close them and turn the head away from the light beam.

## **CAUTION – Fire and risk of burns**



The lamp is classified in risk group 2 (medium risk) under the IEC 62471 standard and is thus beyond the 'Free Group'. There is a risk of retina damage due to optical radiation (blue light 400nm to 780nm).

## **CAUTION – Fire and risk of burns**



The lamp generates heat during use.

- ▶ Do not operate the lamp unattended.
- ▶ Do not cover the lamp during operation since this can lead to a heat build-up.
- ▶ Maintain a distances of at least 2 m between the lamp and the flammable surfaces.
- ▶ Do not touch hot lamp, if required, let it cool down.
- ▶ Close the protective cover of the lamp during transport and disable the remote operation so that the lamp is not accidentally switched on.



## **ATTENTION – Damage to the lamp**



Use the lamp

- ▶ only at ambient temperatures of -20 °C to +40 °C,
- ▶ do not bring it in contact with salt water,
- ▶ protect against intense heat and wet,
- ▶ do not use or store with the battery cover open.

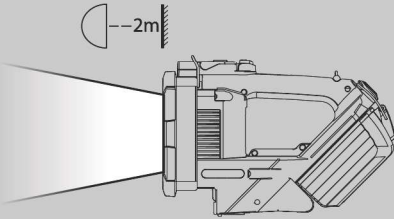
## **VWARNING – Risk of explosion / injuring**



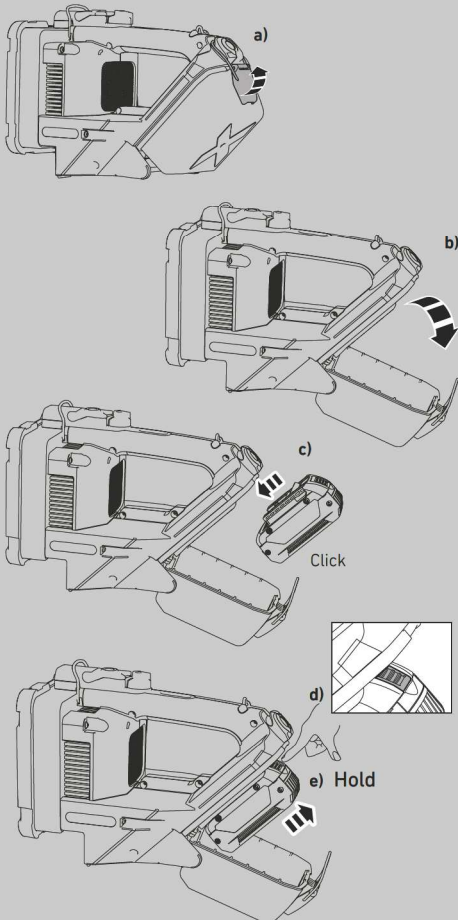
The batteries and button cells can explode due to improper use, leaking battery acid can cause chemical burns.

- Do not store the batteries and button cells
  - ▶ within the reach of children,
  - ▶ protect against heat (e.g., sunlight), heat build-up, wet, or dirt,
  - ▶ do not throw in a fire,
  - ▶ do not use in explosive areas,
  - ▶ do not open, damage, or short circuit.
- ▶ If not in use for a long time, remove the batteries from the lamp and charge regularly only in the charging station supplied (every 3 months).





## ④ Changing batteries and charging



### ATTENTION – Damage to the batteries

Batteries may be charged only at temperatures of 10 °C to 40 °C, otherwise they can be damaged and no longer work.

- ▶ Charge the batteries only within the given temperature limits.

### 4. Inserting the battery

1. Fold up the safety lever of the battery cover (Fig. 4a).
2. Fold down the battery cover (Fig. 4b).
3. Slide in the battery from above (Fig. 4c).  
→ The battery locks into the proper position with an audible snap.
4. Close the battery cover.

### Removing the battery

1. Fold up the safety cable of the battery cover (Fig. 4a).
2. Fold down the battery cover (Fig. 4b).
3. Press the red locking button (Fig. 4d) on the battery and simultaneously pull up the battery and out from the battery compartment (Fig. 4e).
4. Charge the battery or insert new battery (Fig. 4c).
5. Lift up the battery cover and close the safety lever.



### ATTENTION – Environmental protection

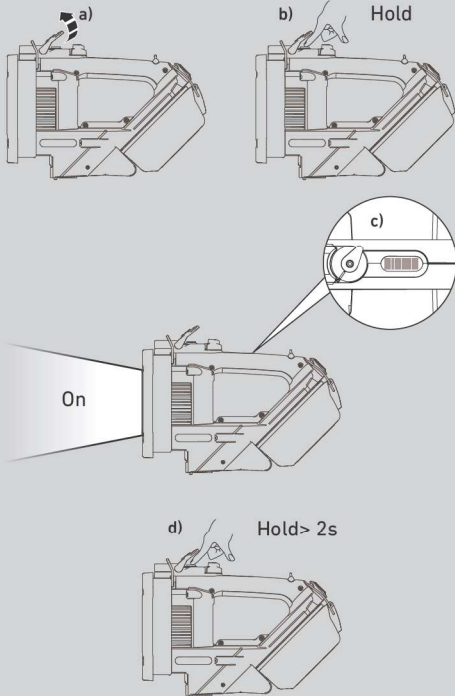
Defective batteries must be disposed of in accordance with the country's legislation, as they can be dangerous for the environment.

In order to get more information regarding the operation and safety of the battery and the charging station, please scan the following QR code or visit [www.ledlenser.com](http://www.ledlenser.com):





## 5 Basic functions

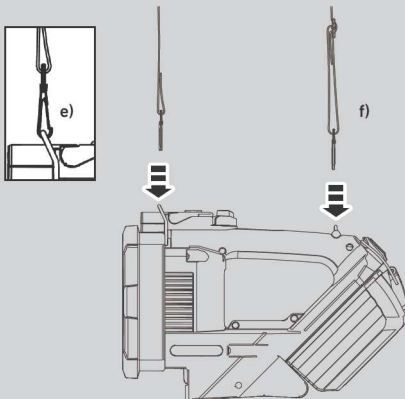


### 5. Switching on the lamp

1. Lift up the safety cover (Fig. 5a).
2. Briefly press the main switch (Fig. 5b).
  - The lamp starts in the operating mode, which is preselected over the mode switch button (refer chapter Mode Switch).
  - The battery capacity display shows the current charging state (Fig. 5c).
3. Close the safety cover.

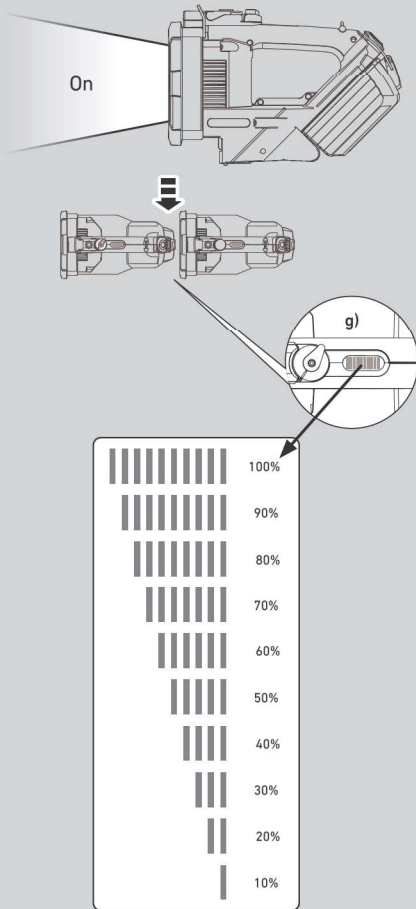
### Switching off the lamp

1. Lift up the safety cover (Fig. 5a).
2. Keep the main switch pressed (Fig. 5d) until the bar display (Fig. 5c) goes out.
3. Close the safety cover.



### Fixing the carry strap

Attach the two hooks of the carry strap (Fig. 5f) on the two mounting brackets located on the upper side of the product (Fig. 5e).



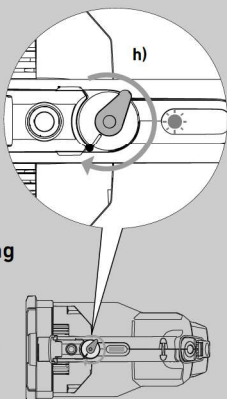
## Battery capacity display

If the lamp is switched on, the remaining battery capacity is displayed via a 10-step LED bar display (1 bar = 10%) on the upper side of the device (Fig. 5g).

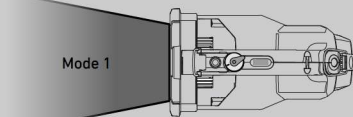


## Brightness setting

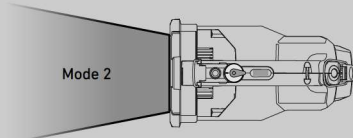
i) **Mode 0**  
Remote-Mode  
Off



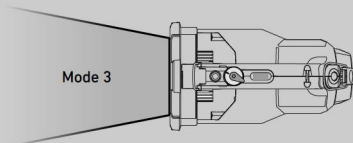
j) **Mode 1**



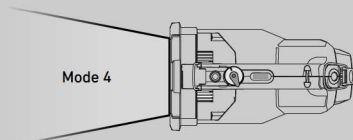
**Mode 2**



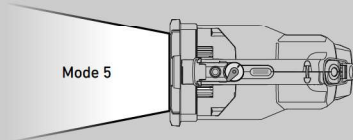
**Mode 3**



**Mode 4**



**Mode 5**



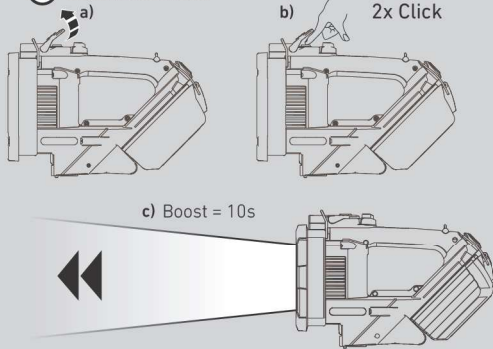
## Mode Switch

The mode switch button (Fig. 5 h) offers six switch positions with which remote control (mode 0 – remote mode, Fig. 5i) can be activated and five different brightness levels (Fig. 5j) from mode 1 (weak) to mode 5 (strong) can be selected.

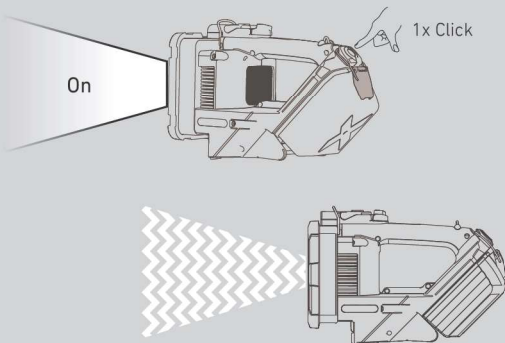
If the lamp is switched on and the mode switch is in position 1 (mode 0, Fig. 5h/i), the lamp does not light up since it is in remote mode.

Details for coupling with remote control and the operating functions provided can be found in Chapter 8.

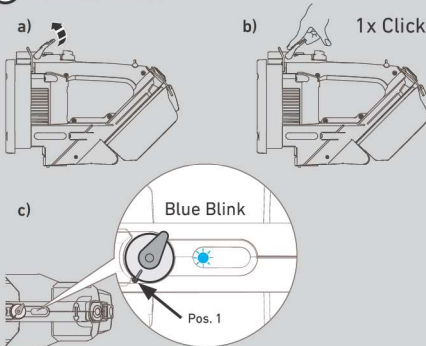
## ⑥ Boost function



## ⑦ Strobe function



## ⑧ Remote mode



6. In boost mode, the lamp lights up with the maximum brightness for 10 sec. The boost mode can be activated only in the switched on state (but not in strobe mode).

### Boost function

1. Switch on the lamp as per Chapter 5.
2. Lift up the safety cover as required (Fig. 6a).
3. Briefly press the main switch 2 times (Fig. 6b).  
→ The boost mode starts (Fig. 6c).  
→ After ten seconds, the lamp switches back to the previous light function.
4. The boost mode can be stopped at any time by briefly pressing the main switch.

7. In strobe mode, the lamp emits quick flashes with changing frequency and thus generates a disconcerting blinding effect for an emergency.



### ⚠ WARNING – Risk of injury

The strobe function of the lamp can have negative effects on people with photosensitive epilepsy. This can result in accidents and injuries.

- ▶ Use the strobe mode only in an emergency and in consultation.

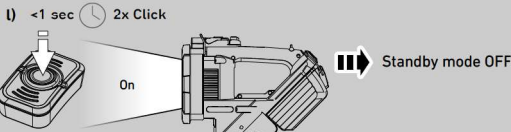
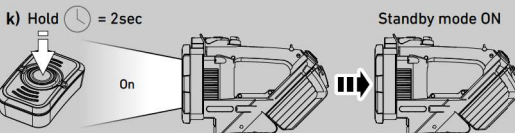
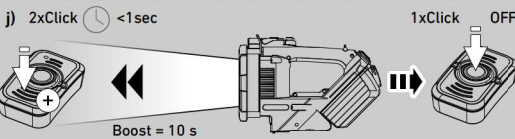
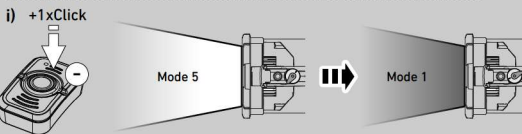
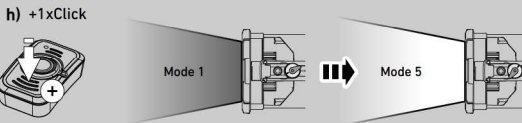
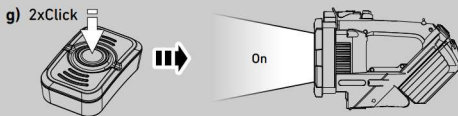
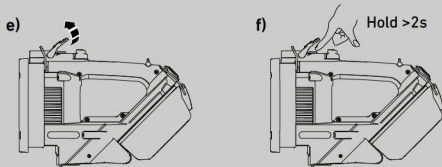
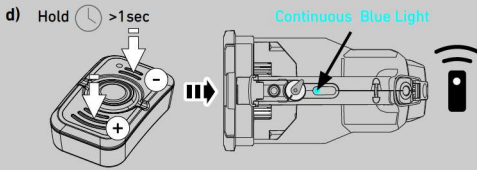
### Strobe function

1. Activate the strobe function in the switched on state by pressing the switch behind the end of the handle (Fig. 7).  
→ The switch locks.
2. End the strobe function again by pressing the rear switch.

8. For the first use of the remote control for light control, the remote control must be linked with the lamp.

### Linking the lamp for the first time

1. Lift up the safety cover (Fig. 8a).
2. Switch on the lamp by briefly pressing the main switch (Fig. 8b).
3. Switch the lamp to remote mode (position 1) with the mode switch button (Fig. 8c).  
→ The **blue** status LED on the lamp blinks (Fig. 8c), to signal that the lamp is ready for linking with the remote control.
4. Within the next 10 sec, keep the + and – buttons of the remote control simultaneously pressed for 2 sec (Fig. 8d).  
→ Upon successful connection, the **blue** status LED remains lit up.



→ The main functions of the lamp can be controlled only via the remote control now.

### Ending remote mode

1. Lift up the safety cover (Fig. 8e).
  2. Keep the main switch pressed for at least 2 sec (Fig. 8f).
- The **blue** status LED is no longer lit.

### Switching on lamp in remote mode

1. Switch on the lamp as required by briefly pressing the main switch (Fig. 8b).
  2. Press the on/off buttons (Fig. 8g) of the remote control 2 times quickly one after the other.
- When switching on the lamp for the first time, the lowest brightness level (mode 1) is activated and when restarting in standby mode, the last selected mode is activated.

### Switching between the lighting levels.

1. Press the + button (Fig. 8 h) multiple times to switch from a lower mode (weak light) to a higher mode (strong light).
2. Press the – button (Fig. 8 h) multiple times to switch from a higher mode (strong light) to a lower mode (weak light).

### Boost function

1. Press the + button (Fig. 8j) 2 times within 1 second quickly and consecutively to activate the boost function.
2. Press the on/off button once to end the boost function.

### Activating standby mode

Keep the on/off button (Fig. 8k) pressed for at least 2 sec.

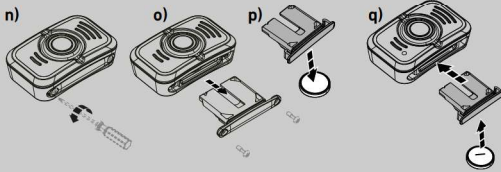
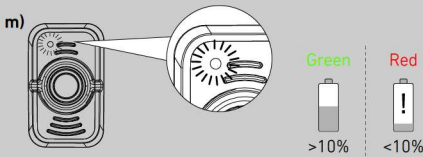
### Ending standby mode

Press the on/off button (Fig. 8l) 2 times within 1 second quickly and consecutively.

If the lamp is not operated for 8 hours in the standby mode, the lamp switches off completely and can also no longer be switched on by remote control.

In order to use the lamp again in **remote mode**, briefly press the main switch of the lamp once (Fig. 8b).

The remote control has a display of the battery status (Fig. 8 m). Replace the battery (1x lithium CR2032, 3 V) if needed.



- ⚠ WARNING – Risk of swallowing the button cells**
- Keep small batteries and button cells that can be swallowed out of reach of children. Swallowing can lead to severe injuries (burns, perforation of soft parts) or death within 2 hours.
- If batteries have been swallowed or inserted, please consult a doctor immediately.

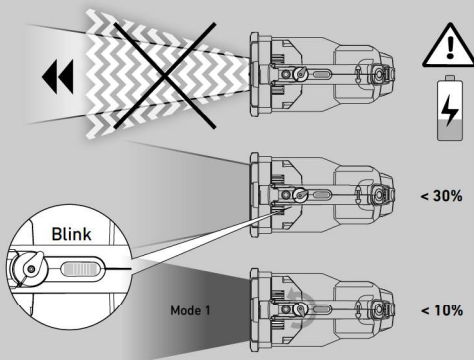
#### Battery change by remote control

1. Unscrew the 2 screws, if present (Fig. 8n).
2. Pull out the slide compartment (Fig. 8o).
3. Remove the battery from the compartment (Fig. 8p) and dispose of the battery properly.
4. Insert new battery with the – pole upwards and completely reinsert the slide compartment in the remote control (Fig. 8q).
5. Screw in the 2 screws again.

## 9 Temperature monitoring

9. The XP30R is equipped with a temperature monitoring system and active cooling system, which permanently monitors the temperature of the lamp as well as the battery.
- If needed, the lamp adds a fan or lowers the maximum light intensity. Thus, it is always ensured that the product is operated within the permitted temperature limits of the components.

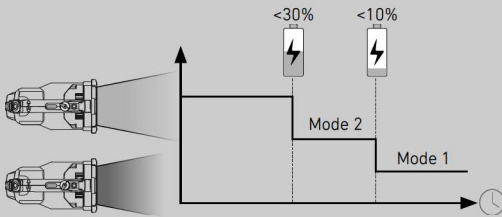
## 10 Battery management and backup mode



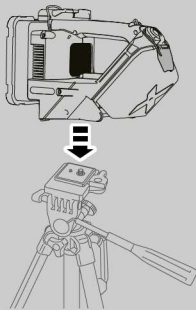
10. At 30% remaining battery capacity, the bar display blinks continuously.
- The lamp automatically switches to mode 2 and can also no longer be switched to a stronger light level.
  - The strobe mode and the boost mode can no longer be used.

From a 10% remaining battery capacity, the lamp automatically switches to backup mode. It prevents a sudden switching off of the lamp and makes sure that the user continues to have the light available with a weak battery.

- In this mode, the lamp can only be used in the lowest brightness level (mode 1).



## 11 Stand-mounting



11. On the lower side of the lamp is a thread for mounting on all stands with 3/8"-16 UNC thread (Fig. 11).



### CAUTION – Risk of fire

If the distance kept from flammable objects is too short, they can catch fire.

- Maintain 2 m distance from objects.



### ATTENTION – Damage to the lamp

If the stand falls down, the lamp can be damaged.

- Make sure that the stand is set up stably.

## 12 Fault diagnosis

### 12. Possible faults, causes and measures












Fault	Status display	Cause and measure
Lamp cannot be switched on / Lamp goes off during operation	No response on the bar display	Battery discharging: <ul style="list-style-type: none"> <li>► Check charging station on the battery and charge the battery as required.</li> </ul>
		Battery detection failed: <ul style="list-style-type: none"> <li>► Remove the battery and then insert it again.</li> <li>► Try to switch on the lamp.</li> </ul>
		Temperature limits of the battery are exceeded: <ul style="list-style-type: none"> <li>► Make sure that you are using the battery within the external temperature limits of -20°C - 40°C.</li> </ul> <p>Please note that the battery additionally heats up during operation.</p> <ul style="list-style-type: none"> <li>► Restart the lamp after a waiting period of approx. 10 min.</li> </ul>

Fault	Status display	Cause and measure
Fault Lamp cannot be switched on / Lamp goes off during operation	2 bars of the battery status display blink 5 times consecutively	Temperature limits of the lamp are exceeded <ul style="list-style-type: none"> <li>► Make sure that you are using the lamp within the external temperature limits of -20°C - 40°C.</li> </ul> Please note that the lamp can additionally intensively heat up during operation due to heat build-up. <ul style="list-style-type: none"> <li>► Restart the lamp after a waiting period of approx. 10 min.</li> </ul>

If the fault should continue, contact Ledlenser customer support.

### 13 Technical data of the lamp

#### 13. Technical data of the lamp

	Light mode	Boost		
	Luminous flux (lm) <sup>1)</sup>	>32.000   24.000   15.500   8.500   4.000   500		
	Beam distance (m) <sup>1)</sup>	>2.000   1.900   1.500   1.100   800   500		
	Run time (h) <sup>1)</sup>	-   0,5   0,75   1,25   2,5   >16		
	Battery	18 V, 5 Ah, 90 Wh		
	Charging time (min)	80		
	Weight g/oz (incl. battery)	3480 / 122,7		
	Size (mm)	W 307 x H 212 x D 180		
	IP class	IP 54		

<sup>1)</sup> depending on the selected operating mode



## 14 Instructions regarding disposal

14. Dispose of defective batteries according to the national directives because the batteries can endanger the environment.



The crossed out waste bin indicates the obligation for disposal of old electrical and electronic devices separately from the household waste. For one thing, these devices contain valuable raw materials, and for another, they can also contain harmful substances.

Separate disposal avoids endangering the environment and health and helps to conserve resources by recycling raw materials. Free return via local collection and return systems as well as other collection points is possible.

All distributors with a retail space\* of  $\geq 400 \text{ m}^2$  for electrical devices (or with  $\geq 800 \text{ m}^2$  total retail space\*, which offer electrical devices in addition to foodstuffs multiple times in a calendar year or permanently or regularly each year) are obliged to take back an old device (same type of device with essentially the same function) directly or locally, free of charge, upon submission of such devices. Up to 3\*\* old devices (max  $25 \times 25 \times 25 \text{ cm}$ ) per device type can also be returned locally free of charge without a prior purchase in retail store or at a return system.

Each end user is responsible for deleting personal data on old devices.

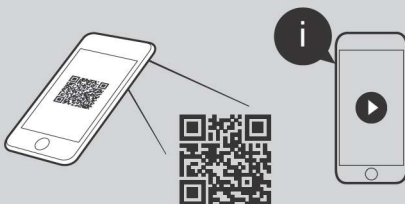
Provided it can be done non-destructively, remove the discharged batteries carefully, following the usage instructions and dispose of them separately.

For further information, see [www.ledlenser.com](http://www.ledlenser.com).

\* In case of sale using remote means of communication, the storage and dispatch areas are considered as retail space

\*\* Unlimited number in some countries

## 15 Other information



15. Other information, tutorials and accessories are stated on our website. Simply scan the QR code below or visit [www.ledlenser.com](http://www.ledlenser.com).

**XP30R**







[ledlenser.com](http://ledlenser.com)

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